

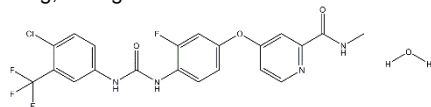
PRODUCT: Regorafenib Monohydrate

ALTERNATE NAMES: BAY 73-4506 monohydrate; BAY 73 4506 monohydrate; BAY 734506 monohydrate; 4-[4-[[4-chloro-3-(trifluoromethyl)phenyl] carbamoylamino]-3-fluorophenoxy]-N-methylpyridine-2-carboxamide;hydrate; Regorafenib hydrate; Tyrosine kinase inhibitor

CATALOG #: B1621-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₇ClF₄N₄O₄

MOLECULAR WEIGHT: 500.83

CAS NUMBER: 1019206-88-2

APPEARANCE: White solid powder

SOLUBILITY: DMSO

PURITY: 99.51%

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Regorafenib monohydrate is a multitargeted inhibitor tyrosine kinase with IC50 values of 13nM, 4.2nM, 46nM, 2.5nM, 28nM, 19nM, 202nM, 22nM, 7nM, 1.5nM and 311nM, respectively for VEGFR-1, mVEGFR-2, mVEGFR-3, Raf-1, BRAF WT, BRAFV600E, FGFR-1, PDGFR-β, c-KIT, RET and TIE2. Regorafenib is a multikinase inhibitor of both intracellular and membrane-bound RTKs.

REFERENCES:

1. Wilhelm SM, et al. Regorafenib (BAY 73-4506): a new oral multikinase inhibitor of angiogenic, stromal and oncogenic receptor tyrosine kinases with potent preclinical antitumor activity. *Int J Cancer*, 2011, 129(1), 245-255.
2. Heng DY, et al. Targeted therapy for metastatic renal cell carcinoma: current treatment and future directions. *Ther Adv Med Oncol*, 2010, 2(1), 39-49.
3. Carr BI, et al. Fluoro-Sorafenib (Regorafenib) effects on hepatoma cells: growth inhibition, quiescence, and recovery. *J Cell Physiol*, 2013, 228(2), 292-297.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Bosutinib (Cat. No. 1584-5, 25)
- Dasatinib (Cat. No. 1586-25, 100)
- Erlotinib, Hydrochloride (Cat. No. 1588-100, 1000)
- Gefitinib (Cat. No. 1589-5, 25)
- GNF-5 (Cat. No. B1329)
- GZD824 (Cat. No. 2795)
- Imatinib Mesylate (Cat. No. 1625-100, 1000)
- Lapatinib Ditosylate (Cat. No. 1624-25, 100)
- Nilotinib (Cat. No. 1750)
- Radotinib (Cat. No. 9613)
- Saracatinib (AZD0530) (Cat. No. 1582)
- Sorafenib (Cat. No. 1594-25, 100)
- Sunitinib Malate (Cat. No. 1611-100, 1000)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**